MINOLTA XG UPDATE

Note: This list of updates applies to models earlier than the XG-M (XG-7, XG-1, XG-9). The XG-M already has the revisions noted.

1. The ratchet pawl that engages the wind ratchet now mounts to the base plate rather than to the underside of the counter assembly, Fig. 1. If you don't get the ratchet during the wind stroke, check to see if the post for the pawl has come loose from the base plate. The normal symptom is that the camera comes in jammed—the mirror is up, but the shutter is already in the released position. You can restake the post after removing the base plate.
2. The shutter block has been revised, Fig. 2. Shutter blocks will interchange, but note the wiring to the shutter board.
3. The release magnet Mg2 has been revised. The new style doesn't have the post on the armature, Fig. 3. If you replace an old-style magnet with a new-style magnet, also replace the release-coupling arm (the arm that the release magnet engages to release the mirror); the new style has an upraised tab that connects to the new-style magnet, Fig. 3. New-style magnet — 2019-0850-11. New-style release-coupling arm — 2006-0527-02.
4. The mirror latch, Fig. 3, has a third revision. The old style (2006-0522-01) has a small post (2mm). The revised type has a larger post (2.5mm) because of the new-style brake system at the bottom of the shutter, Fig. 4. The latest revision (2006-0522-03) has a 3mm roller. You can use the latch with the roller in cameras that have the new-style brake system, Fig. 4. The revision corrects for mirror sticking (mirror hanging in aperture during exposure, especially evident at the slow speeds).
5. The take-up spool and shaft have been revised. The new-style shaft is plastic, and the take-up spool has been revised to accept the plastic shaft. However, the gray section with the film-hooking tabs fits either spool. New-style spool — 2006-0325-13.

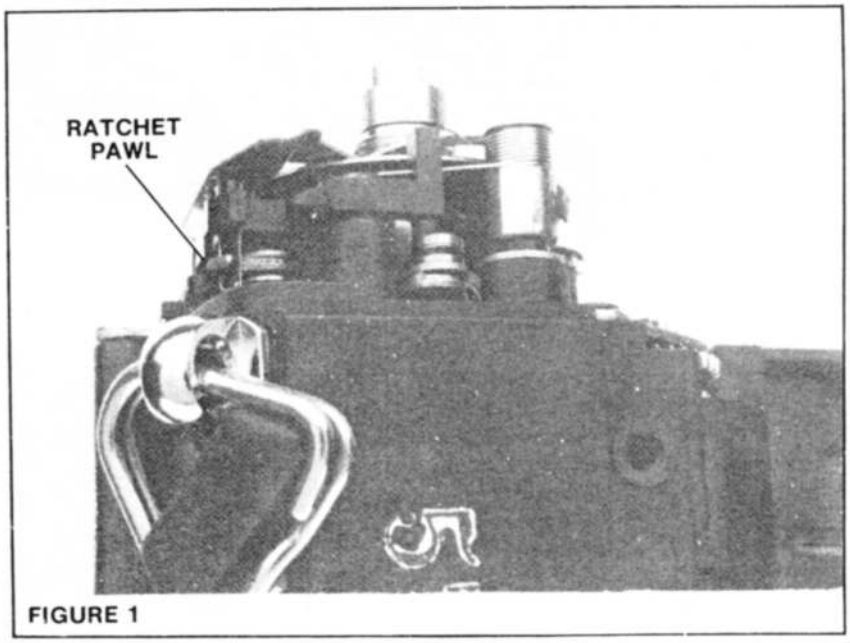

FIGURE 1

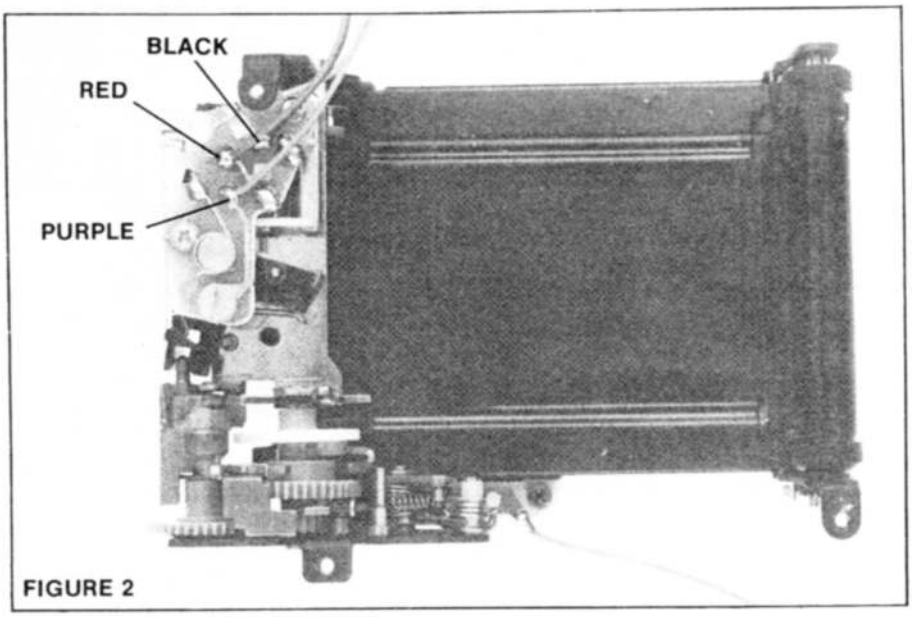

FIGURE 2

6. The selector switch (for auto to manual) has been improved; the new style has two contacts (rather than a single contact) for each switch. Also, the new switch requires a stronger spring on the switch arm (spring 2006-2012-04). Otherwise, the switch may fail to move to the manual position because of the increased contact pressure. If you install the new switch in an early XG-7, the spring may be too weak. Rather than removing the resistor board to install a stronger spring, you can install switch @2006-0271-03. This switch has a plastic post on top. Also order helper spring 2006-4221-81 and spring hanger 2006-4222-81. Install the spring hanger under the screw that holds the speed-selector assembly (toward the back of the camera). Hook the helper spring between the hanger and the post on the switch. The helper spring assures that the switch will move to the manual-speeds position.
7. A cushion 2006-5114-81 has been added to the porous-plastic strip at the top of the mirror box, Fig. 5. The cushion corrects for mirror bounce (the mirror bouncing into the light path during the exposure). If the mirror cuts off the top of the frame at speeds of 1/30 and faster, cement the cushion to the top front of the mirror box as shown in Fig. 5.
8. The aperture-coupling ring, Fig. 5, has been improved. The new style has more flexible brushes. If all the LEDs flicker at the same time, the problem may be poor contact in the aperture (AV) resistor. But, if you bend the brushes to improve the contact, you may find that the aperture-coupling ring moves stiffly. You can then install the revised aperture-coupling ring 2006-0120-02.
9. The problem of damage to IC1 by an off-brand flash has been practically eliminated by the revision to the hot-shoe contacts inside the top cover, Fig. 6. With the old style, sparking between the hot-shoe flash contact and the dedicated-flash pin could damage IC1. To correct, replace the dedicated-flash pin in the hot shoe with the longer revised pin #9246. Just push out the old pin from the bottom of the hot shoe and press the longer pin into place from the top of the hot shoe. Also remove the pressure contacts from the photocell board (push out the rivets). Because of the longer dedicated-flash pin, wire directly to the top cover. Replace the hot-shoe flash contact with contact #1068; the new-style contact has a tab for direct soldering. If the camera has a black top cover, first take out the hot-shoe base, Fig. 6, and install ground contact 1338 under the base. Solder the green wire to the hot-shoe flash contact 1068. Solder the white wire to the dedicated-flash pin 9246. For black-body cameras, solder the black ground wire to the ground contact 1338.

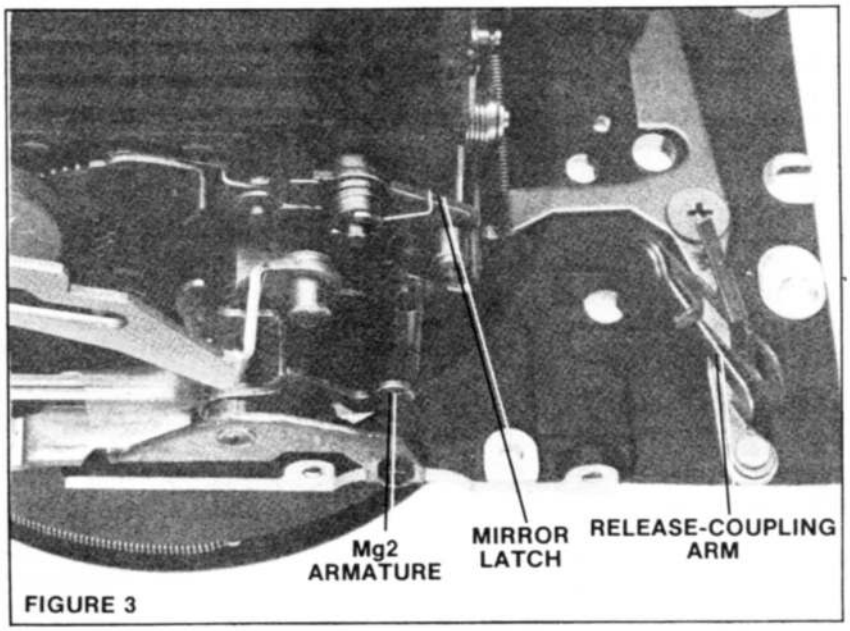

FIGURE 3

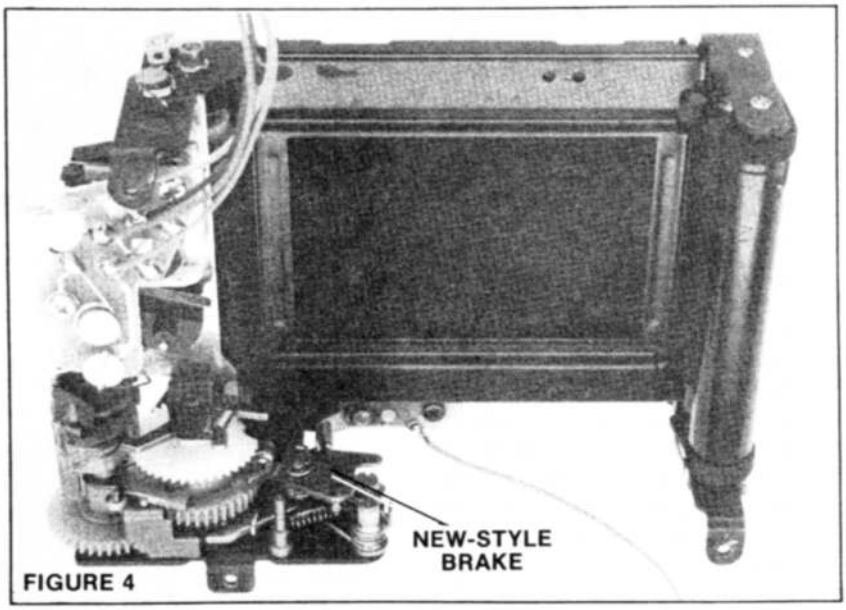

FIGURE 4

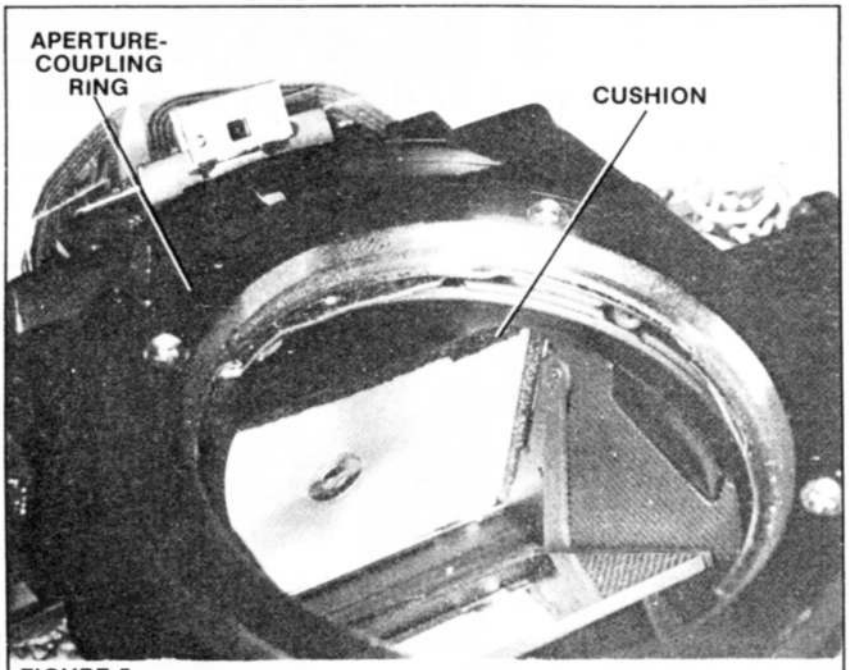

FIGURE 5

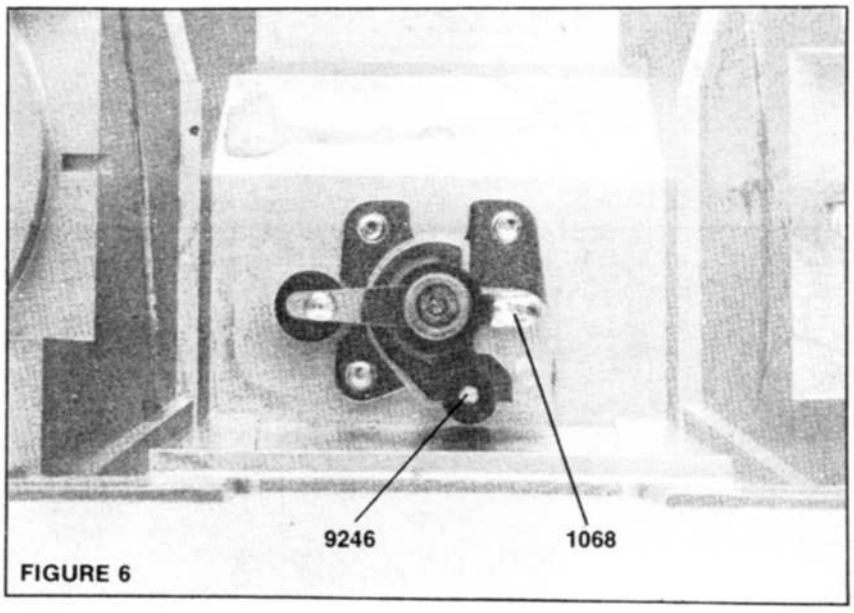

FIGURE 6